

To: Representative Nesbitt and members of the  
House Energy and Technology Committee

RE: Review of Public Act 295

I fully support expanding Michigan's Energy Efficiency goals to further continue the success of Energy Efficiency in Michigan and hope you will do everything in your power to move Michigan aggressively forward.

A combination of energy efficiency and an aggressive renewable energy standard is the way to bring Global Warming and its damaging Climate Change under control. These are very serious concerns that all mankind must work together on and must bring to achievement. It can be done!

Energy Efficiency provides the cheapest source of electricity that then will be available for new homes, business growth and new jobs.

This is a "no brainer" when the energy optimization cost of conserved energy weighted average has been determined to be \$20/MWh versus \$133/MWh as the levelized cost of a new conventional coal fired power facility. Efficiency further saves all ratepayers in Michigan by avoiding costs of new future generation by eliminating the need for new generating equipment.

Energy efficiency creates thousands of Michigan jobs weatherizing buildings, upgrading appliances, and modernizing lighting and heating. Because energy efficiency services are provided by Michigan businesses, all of the economic activity generated by the energy efficiency programs stays in Michigan.

A report published by the American Council for an Energy Efficient Economy shows that Michigan is one of the top 6 most improved states in the country, in regard to Energy Efficiency savings. The report points out that this vast improvement is due to the implementation PA 295. Utilities are rewarded too for exceeding the targets which is proper and important.

While the Energy Optimization program has been successful, the Michigan Legislature could make it even more valuable by removing the spending cap which currently limits how much utilities can invest in this cheapest source of base load power. Keeping any cap is extremely negative. There are spending limits on how much each utility can collect and spend on Energy Efficiency and these should be eliminated.

Remember, Global Warming and associated Climate Change are very real and must be aggressively confronted. We must act aggressively.

Michigan can and must do its part. Efficiency along with aggressively taking advantage of our renewable energy potential must be our mode of operation. Scientific studies show that Michigan can produce much more than its current needs for electricity from various renewable sources. Michigan Electric Use is 111,551 Gwh and the potential from just PV large and utility scale

systems is 1,739,801 Gwh or 4,721 percent of our current use. Further potential is 129% from on shore wind, 1,560% from offshore wind and 21% from roof top PV. We can and must take advantage of these. You must make appropriate decisions and lead the way.

Investing in energy efficiency will help lessen our dependence on importing coal from other states, and thus will save us money. There are many health and economic issues with coal, oil and natural gas. These all can be eliminated! The total cost of coal, oil and Natural gas generation must include the damage caused by coal mining, burning and ash. These externalities include damaged health, premature death, lost productivity and damage to our environment. A Harvard study estimated these costs are an additional 17.84¢/kWh. The Public Health Impacts of Old Coal-Fired Power Plants in Michigan report showed that just nine of Michigan's oldest and dirtiest coal plants cost Michiganders more than \$1.5 billion a year in health costs, including 660 premature deaths, 150 cardiovascular hospital admissions, 280 cases of chronic bronchitis, and 450 asthma emergency room visits. Investing in energy efficiency will help lessen our use of coal and thus will provide countless public health benefits. We must not allow this to continue.

It can be done! We will be successful only when action is taken!  
You must take corrective action now!

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